Product datasheet

Anti-GM130/GOLGA2 Antibody (Clone#6D4)

Catalog Number: *M05865-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-GM130/GOLGA2 Antibody (Clone#6D4)
Gene Name	GOLGA2
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, FCM, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human GM130 recombinant protein (Position: E796-E913). Human GM130 shares 82.9% amino acid (aa) sequence identity with both mouse and rat GM130.
Concentration	500ug/ml
Purification	protein G purified.
Observed MW	130 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Golgin subfamily A member 2 is a protein that in humans is encoded by the GOLGA2 gene. The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. This gene encodes one of the golgins, a family of proteins localized to the Golgi. This encoded protein has been postulated to play roles in the stacking of Golgi cisternae and in vesicular transport. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of these variants has not been determined.

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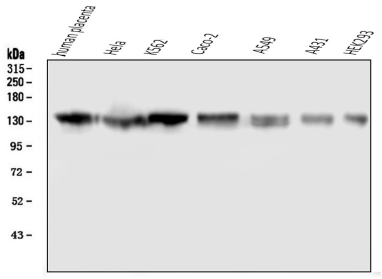
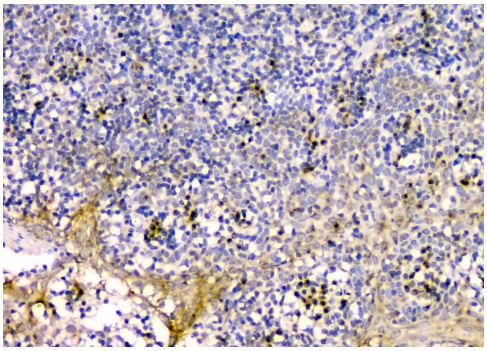
Reference

Anti-GM130/GOLGA2 Antibody (Clone#6D4)被引用在5文献中。

Selected Validation Data



Western blot analysis of GM130/GOLGA2 using anti-GM130/GOLGA2 antibody (M05865-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Human placenta tissue lysates,
Lane 2: Hela whole cell lysates,
Lane 3: K562 whole cell lysates,
Lane 4: Caco-2 whole cell lysates,
Lane 5: A549 whole cell lysates,
Lane 6: A431 whole cell lysates,
Lane 7: HEK293 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-GM130/GOLGA2 antigen affinity purified monoclonal antibody (M05865-2) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for GM130/GOLGA2 at approximately 130 kDa. The expected band size for GM130/GOLGA2 is at 113 kDa.



IHC analysis of GM130/GOLGA2 using anti-GM130/GOLGA2 antibody (M05865-2).
GM130/GOLGA2 was detected in a paraffin-embedded section of human tonsil tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was incubated with mouse anti-GM130/GOLGA2 Antibody (M05865-2) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB (Catalog # AR1027) as the chromogen.

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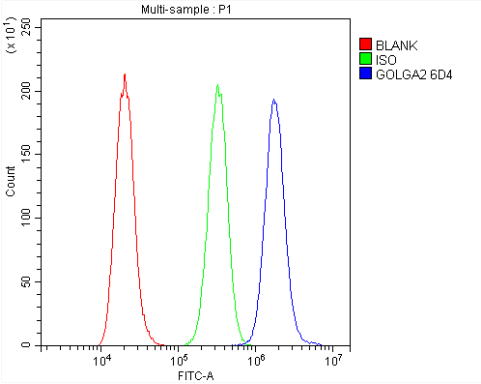
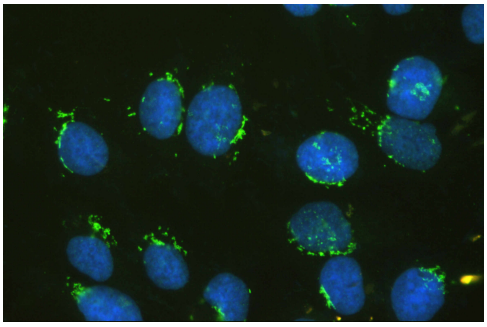


Flow cytometry analysis of A431 cell(1:100) DyLight 488 conjugated goat anti-mouse IgG(blue) was used as secondary antibody. Isotype control antibody (Green line) was mouse IgG DyLight 488. Unlabelled sample (Red line).



IF analysis of GM130/GOLGA2 using anti-GM130/GOLGA2 antibody (M05865-2).
GM130/GOLGA2 was detected in an immunocytochemical section of U2OS cells. The section was incubated with mouse anti-GM130/GOLGA2 Antibody (M05865-2) at a dilution of 1:100. Dylight488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog#BA1126) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).